

D360  
#15

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/073,293 A  
Source: D/PE  
Date Processed by STIC: 07/08/2005

# ***ENTERED***

BEST AVAILABLE COPY

CRF Errors Edited by the STIC Systems Branch

Serial Number: 10/073,293 A

CRF Edit Date: 07/08/2005  
Edited by: KD

\_\_\_ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

\_\_\_ Corrected the SEQ ID NO. Sequence numbers edited were:

\_\_\_\_\_

\_\_\_ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

\_\_\_\_\_

☒ Deleted: ☒ invalid beginning/end-of-file text ; \_\_\_ page numbers

\_\_\_ Inserted mandatory headings/numeric identifiers, specifically:

\_\_\_\_\_

\_\_\_ Moved responses to same line as heading/numeric identifier, specifically:

\_\_\_\_\_

\_\_\_ Other:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Revised 09/09/2003

BEST AVAILABLE COPY



OIPE

## RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:14

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

5 <110> APPLICANT: TABOLINA, EKATERINA  
 7 RYBAK, KONSTANTIN  
 9 KHOURGES, EVGENI  
 11 VOROSHILOVA, ELVIRA  
 13 GUSYATINER, MIKHAIL  
 17 <120> TITLE OF INVENTION: METHOD FOR PRODUCING L-AMINO ACID USING BACTERIA BELONGING  
 TO THE GENUS  
 18 ESCHERICHIA  
 22 <130> FILE REFERENCE: 219594US0  
 26 <140> CURRENT APPLICATION NUMBER: 10/073,293A  
 28 <141> CURRENT FILING DATE: 2002-02-13  
 32 <150> PRIOR APPLICATION NUMBER: RU 2001103865  
 34 <151> PRIOR FILING DATE: 2001-02-13  
 38 <150> PRIOR APPLICATION NUMBER: RU 2001104998  
 40 <151> PRIOR FILING DATE: 2001-02-26  
 44 <150> PRIOR APPLICATION NUMBER: RU 2001104999  
 46 <151> PRIOR FILING DATE: 2001-02-26  
 50 <150> PRIOR APPLICATION NUMBER: RU 2001117632  
 52 <151> PRIOR FILING DATE: 2001-06-28  
 56 <150> PRIOR APPLICATION NUMBER: RU 2001117633  
 58 <151> PRIOR FILING DATE: 2001-06-28  
 62 <160> NUMBER OF SEQ ID NOS: 16  
 66 <170> SOFTWARE: PatentIn version 3.1  
 70 <210> SEQ ID NO: 1  
 72 <211> LENGTH: 26  
 74 <212> TYPE: DNA  
 76 <213> ORGANISM: Artificial Sequence  
 80 <220> FEATURE:  
 82 <223> OTHER INFORMATION: Synthetic DNA  
 84 <400> SEQUENCE: 1  
 85 ggtctagaca atcgtaagc gtacac  
 88 <210> SEQ ID NO: 2  
 90 <211> LENGTH: 26  
 92 <212> TYPE: DNA  
 94 <213> ORGANISM: Artificial Sequence  
 98 <220> FEATURE:  
 100 <223> OTHER INFORMATION: Synthetic DNA  
 102 <400> SEQUENCE: 2  
 103 ccggatccga tataagtaacg acagtg  
 106 <210> SEQ ID NO: 3  
 108 <211> LENGTH: 738  
 110 <212> TYPE: DNA  
 112 <213> ORGANISM: Escherichia coli  
 116 <220> FEATURE:

RECEIVED  
 OIPE/1AP  
 JUL 12 2005

26

26

## RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:14

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

118 <221> NAME/KEY: CDS  
 120 <222> LOCATION: (1)..(735)  
 122 <223> OTHER INFORMATION:  
 W--> 126 <400> 3

127	atg gaa agc cct act cca cag cct gct cct ggt tgc gcg acc ttc atg	48
128	Met Glu Ser Pro Thr Pro Gln Pro Ala Pro Gly Ser Ala Thr Phe Met	
129	1 5 10 15	
131	gaa gga tgc aaa gac agt tta ccg att gtt att agt tat att ccg gtg	96
132	Glu Gly Cys Lys Asp Ser Leu Pro Ile Val Ile Ser Tyr Ile Pro Val	
133	20 25 30	
135	gcc ttt gcg ttc ggt ctg aat gcg acc cgt ctg gga ttc tct cct ctc	144
136	Ala Phe Ala Phe Gly Leu Asn Ala Thr Arg Leu Gly Phe Ser Pro Leu	
137	35 40 45	
139	gaa agc gtt ttt ttc tcc tgc atc att tat gca ggc gcg agc cag ttc	192
140	Glu Ser Val Phe Phe Ser Cys Ile Ile Tyr Ala Gly Ala Ser Gln Phe	
141	50 55 60	
143	gtc att acc gcg atg ctg gca gcc ggg agt agt ttg tgg att gct gca	240
144	Val Ile Thr Ala Met Leu Ala Ala Gly Ser Ser Leu Trp Ile Ala Ala	
145	65 70 75 80	
147	ctg acc gtc atg gca atg gat gtt cgc cat gtg ttg tat ggc ccg tca	288
148	Leu Thr Val Met Ala Met Asp Val Arg His Val Leu Tyr Gly Pro Ser	
149	85 90 95	
151	ctg cgt agc cgt att att cag cgt ctg caa aaa tgc aaa acc gcc ctg	336
152	Leu Arg Ser Arg Ile Ile Gln Arg Leu Gln Lys Ser Lys Thr Ala Leu	
153	100 105 110	
155	tgg gcg ttt ggc ctg acg gat gag gtt ttt gcc gcc gca acc gca aaa	384
156	Trp Ala Phe Gly Leu Thr Asp Glu Val Phe Ala Ala Ala Thr Ala Lys	
157	115 120 125	
159	ctg gta cgc aat aat cgc cgc tgg agc gag aac tgg atg atc ggc att	432
160	Leu Val Arg Asn Asn Arg Arg Trp Ser Glu Asn Trp Met Ile Gly Ile	
161	130 135 140	
163	gcc ttc agt tca tgg tca tgc tgg gta ttt ggt acg gta ata ggg gca	480
164	Ala Phe Ser Ser Trp Ser Ser Trp Val Phe Gly Thr Val Ile Gly Ala	
165	145 150 155 160	
167	ttc tcc ggc agc ggc ttg ctg caa ggt tat ccc gcc gtt gaa gct gca	528
168	Phe Ser Gly Ser Gly Leu Leu Gln Gly Tyr Pro Ala Val Glu Ala Ala	
169	165 170 175	
171	tta ggt ttt atg ctt ccg gca ctc ttt atg agt ttc ctg ctc gcc tct	576
172	Leu Gly Phe Met Leu Pro Ala Leu Phe Met Ser Phe Leu Leu Ala Ser	
173	180 185 190	
175	ttc cag cgc aaa caa tct ctt tgc gtt acc gca gcg tta gtt ggt gcc	624
176	Phe Gln Arg Lys Gln Ser Leu Cys Val Thr Ala Ala Leu Val Gly Ala	
177	195 200 205	
179	ctt gca ggc gta acg cta ttt tct att ccc gtc gcc att ctg gca ggc	672
180	Leu Ala Gly Val Thr Leu Phe Ser Ile Pro Val Ala Ile Leu Ala Gly	
181	210 215 220	
183	att gtc tgt ggc tgc ctc act gcg tta atc cag gca ttc tgg caa gga	720
184	Ile Val Cys Gly Cys Leu Thr Ala Leu Ile Gln Ala Phe Trp Gln Gly	
185	225 230 235 240	

## RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:14

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

738

```

187 gcg ccc gat gag cta tga
188 Ala Pro Asp Glu Leu
189                245
192 <210> SEQ ID NO: 4
194 <211> LENGTH: 245
196 <212> TYPE: PRT
198 <213> ORGANISM: Escherichia coli
202 <400> SEQUENCE: 4
204 Met Glu Ser Pro Thr Pro Gln Pro Ala Pro Gly Ser Ala Thr Phe Met
205 1                5                10                15
208 Glu Gly Cys Lys Asp Ser Leu Pro Ile Val Ile Ser Tyr Ile Pro Val
209                20                25                30
212 Ala Phe Ala Phe Gly Leu Asn Ala Thr Arg Leu Gly Phe Ser Pro Leu
213                35                40                45
216 Glu Ser Val Phe Phe Ser Cys Ile Ile Tyr Ala Gly Ala Ser Gln Phe
217 50                55                60
220 Val Ile Thr Ala Met Leu Ala Ala Gly Ser Ser Leu Trp Ile Ala Ala
221 65                70                75                80
224 Leu Thr Val Met Ala Met Asp Val Arg His Val Leu Tyr Gly Pro Ser
225                85                90                95
228 Leu Arg Ser Arg Ile Ile Gln Arg Leu Gln Lys Ser Lys Thr Ala Leu
229                100               105               110
232 Trp Ala Phe Gly Leu Thr Asp Glu Val Phe Ala Ala Ala Thr Ala Lys
233                115               120               125
236 Leu Val Arg Asn Asn Arg Arg Trp Ser Glu Asn Trp Met Ile Gly Ile
237 130               135               140
240 Ala Phe Ser Ser Trp Ser Ser Trp Val Phe Gly Thr Val Ile Gly Ala
241 145               150               155               160
244 Phe Ser Gly Ser Gly Leu Leu Gln Gly Tyr Pro Ala Val Glu Ala Ala
245                165                170                175
248 Leu Gly Phe Met Leu Pro Ala Leu Phe Met Ser Phe Leu Leu Ala Ser
249                180                185                190
252 Phe Gln Arg Lys Gln Ser Leu Cys Val Thr Ala Ala Leu Val Gly Ala
253                195                200                205
256 Leu Ala Gly Val Thr Leu Phe Ser Ile Pro Val Ala Ile Leu Ala Gly
257 210               215               220
260 Ile Val Cys Gly Cys Leu Thr Ala Leu Ile Gln Ala Phe Trp Gln Gly
261 225               230               235               240
264 Ala Pro Asp Glu Leu
265                245
268 <210> SEQ ID NO: 5
270 <211> LENGTH: 336
272 <212> TYPE: DNA
274 <213> ORGANISM: Escherichia coli
278 <220> FEATURE:
280 <221> NAME/KEY: CDS
282 <222> LOCATION: (1)..(333)
284 <223> OTHER INFORMATION:
W--> 288 <400> 5

```

## RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:14

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

```

289 atg agc tat gag gtt ctg ctg ctt ggg tta cta gtt ggc gtg gcg aat      48
290 Met Ser Tyr Glu Val Leu Leu Leu Gly Leu Leu Val Gly Val Ala Asn
291 1          5          10          15
293 tat tgc ttc cgc tat ttg ccg ctg cgc ctg cgt gtg ggt aat gcc cgc      96
294 Tyr Cys Phe Arg Tyr Leu Pro Leu Arg Leu Arg Val Gly Asn Ala Arg
295          20          25          30
297 cca acc aaa cgt ggc gcg gta ggt att ttg ctc gac acc att ggc atc      144
298 Pro Thr Lys Arg Gly Ala Val Gly Ile Leu Leu Asp Thr Ile Gly Ile
299          35          40          45
301 gcc tcg ata tgc gct ctg ctg gtt gtc tct acc gca cca gaa gtg atg      192
302 Ala Ser Ile Cys Ala Leu Leu Val Val Ser Thr Ala Pro Glu Val Met
303          50          55          60
305 cac gat aca cgc cgt ttc gtg ccc acg ctg gtc ggc ttc gcg gta ctg      240
306 His Asp Thr Arg Arg Phe Val Pro Thr Leu Val Gly Phe Ala Val Leu
307 65          70          75          80
309 ggt gcc agt ttc tat aaa aca cgc agc att atc atc cca aca ctg ctt      288
310 Gly Ala Ser Phe Tyr Lys Thr Arg Ser Ile Ile Ile Pro Thr Leu Leu
311          85          90          95
313 agt gcg ctg gcc tat ggg ctc gcc tgg aaa gtg atg gcg att ata taa      336
314 Ser Ala Leu Ala Tyr Gly Leu Ala Trp Lys Val Met Ala Ile Ile
315          100          105          110
318 <210> SEQ ID NO: 6
320 <211> LENGTH: 111
322 <212> TYPE: PRT
324 <213> ORGANISM: Escherichia coli
328 <400> SEQUENCE: 6
330 Met Ser Tyr Glu Val Leu Leu Leu Gly Leu Leu Val Gly Val Ala Asn
331 1          5          10          15
334 Tyr Cys Phe Arg Tyr Leu Pro Leu Arg Leu Arg Val Gly Asn Ala Arg
335          20          25          30
338 Pro Thr Lys Arg Gly Ala Val Gly Ile Leu Leu Asp Thr Ile Gly Ile
339          35          40          45
342 Ala Ser Ile Cys Ala Leu Leu Val Val Ser Thr Ala Pro Glu Val Met
343          50          55          60
346 His Asp Thr Arg Arg Phe Val Pro Thr Leu Val Gly Phe Ala Val Leu
347 65          70          75          80
350 Gly Ala Ser Phe Tyr Lys Thr Arg Ser Ile Ile Ile Pro Thr Leu Leu
351          85          90          95
354 Ser Ala Leu Ala Tyr Gly Leu Ala Trp Lys Val Met Ala Ile Ile
355          100          105          110
358 <210> SEQ ID NO: 7
360 <211> LENGTH: 37
362 <212> TYPE: DNA
364 <213> ORGANISM: Artificial Sequence
368 <220> FEATURE:
370 <223> OTHER INFORMATION: Synthetic DNA
372 <400> SEQUENCE: 7
373 cctttggtac cagatctgcg ggcagtgagc gcaacgc      37
376 <210> SEQ ID NO: 8

```

## RAW SEQUENCE LISTING

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:14

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

```

378 <211> LENGTH: 34
380 <212> TYPE: DNA
382 <213> ORGANISM: Artificial Sequence
386 <220> FEATURE:
388 <223> OTHER INFORMATION: Synthetic DNA
390 <400> SEQUENCE: 8
391 ctgtttctag atcctgtgtg aaattgttat ccgc 34
394 <210> SEQ ID NO: 9
396 <211> LENGTH: 28
398 <212> TYPE: DNA
400 <213> ORGANISM: Artificial Sequence
404 <220> FEATURE:
406 <223> OTHER INFORMATION: Synthetic DNA
408 <400> SEQUENCE: 9
409 ggtctagata tggctaacat tatccggc 28
412 <210> SEQ ID NO: 10
414 <211> LENGTH: 28
416 <212> TYPE: DNA
418 <213> ORGANISM: Artificial Sequence
422 <220> FEATURE:
424 <223> OTHER INFORMATION: Synthetic DNA
426 <400> SEQUENCE: 10
427 ccggatccaa acggagcatg gcagctcc 28
430 <210> SEQ ID NO: 11
432 <211> LENGTH: 648
434 <212> TYPE: DNA
436 <213> ORGANISM: Escherichia coli
440 <220> FEATURE:
442 <221> NAME/KEY: CDS
444 <222> LOCATION: (1)..(645)
446 <223> OTHER INFORMATION:
W--> 450 <400> 11
451 gtg att cag acc ttt ttt gat ttt ccc gtt tac ttc aaa ttt ttc atc 48
452 Val Ile Gln Thr Phe Phe Asp Phe Pro Val Tyr Phe Lys Phe Phe Ile
453 1 5 10 15
455 ggg tta ttt gcg ctg gtc aac ccg gta ggg att att ccc gtc ttt atc 96
456 Gly Leu Phe Ala Leu Val Asn Pro Val Gly Ile Ile Pro Val Phe Ile
457 20 25 30
459 agc atg acc agt tat cag aca gcg gca gcg cga aac aaa act aac ctt 144
460 Ser Met Thr Ser Tyr Gln Thr Ala Ala Ala Arg Asn Lys Thr Asn Leu
461 35 40 45
463 aca gcc aac ctg tct gtg gcc att atc ttg tgg atc tcg ctt ttt ctc 192
464 Thr Ala Asn Leu Ser Val Ala Ile Ile Leu Trp Ile Ser Leu Phe Leu
465 50 55 60
467 ggc gac acg att cta caa ctt ttt ggt ata tca att gat tcg ttc cgt 240
468 Gly Asp Thr Ile Leu Gln Leu Phe Gly Ile Ser Ile Asp Ser Phe Arg
469 65 70 75 80
471 atc gcc ggg ggt atc ctg gtg gtg aca ata gcg atg tcg atg atc agc 288
472 Ile Ala Gly Gly Ile Leu Val Val Thr Ile Ala Met Ser Met Ile Ser

```

VERIFICATION SUMMARY

DATE: 07/08/2005

PATENT APPLICATION: US/10/073,293A

TIME: 12:14:15

Input Set : N:\KEISHA\10073293a.txt

Output Set: N:\CRF4\07082005\J073293A.raw

L:126 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:122  
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:284  
L:450 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:446  
L:632 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:628



Raw Sequence Listing before editing,  
for reference only



OIPE

## RAW SEQUENCE LISTING

DATE: 07/01/2005

PATENT APPLICATION: US/10/073,293A

TIME: 09:34:03

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\06302005\J073293A.raw

5 <110> APPLICANT: TABOLINA, EKATERINA  
 7 RYBAK, KONSTANTIN  
 9 KHOURGES, EVGENI  
 11 VOROSHILOVA, ELVIRA  
 13 GUSYATINER, MIKHAIL  
 17 <120> TITLE OF INVENTION: METHOD FOR PRODUCING L-AMINO ACID USING BACTERIA BELONGING  
 TO THE GENUS  
 18 ESCHERICHIA  
 22 <130> FILE REFERENCE: 219594US0  
 26 <140> CURRENT APPLICATION NUMBER: 10/073,293A  
 28 <141> CURRENT FILING DATE: 2002-02-13  
 32 <150> PRIOR APPLICATION NUMBER: RU 2001103865  
 34 <151> PRIOR FILING DATE: 2001-02-13  
 38 <150> PRIOR APPLICATION NUMBER: RU 2001104998  
 40 <151> PRIOR FILING DATE: 2001-02-26  
 44 <150> PRIOR APPLICATION NUMBER: RU 2001104999  
 46 <151> PRIOR FILING DATE: 2001-02-26  
 50 <150> PRIOR APPLICATION NUMBER: RU 2001117632  
 52 <151> PRIOR FILING DATE: 2001-06-28  
 56 <150> PRIOR APPLICATION NUMBER: RU 2001117633  
 58 <151> PRIOR FILING DATE: 2001-06-28  
 62 <160> NUMBER OF SEQ ID NOS: 16  
 66 <170> SOFTWARE: PatentIn version 3.1

Does Not Comply  
Corrected Diskette Needed

(Pg. 2)

## ERRORED SEQUENCES

686 <210> SEQ ID NO: 16  
 688 <211> LENGTH: 197  
 690 <212> TYPE: PRT  
 692 <213> ORGANISM: Escherichia coli  
 696 <400> SEQUENCE: 16  
 698 Met Asn Glu Ile Ile Ser Ala Ala Val Leu Leu Ile Leu Ile Met Asp  
 699 1 5 10 15  
 702 Pro Leu Gly Asn Leu Pro Ile Phe Met Ser Val Leu Lys His Thr Glu  
 703 20 25 30  
 706 Pro Lys Arg Arg Arg Ala Ile Met Val Arg Glu Leu Leu Ile Ala Leu  
 707 35 40 45  
 710 Leu Val Met Leu Val Phe Leu Phe Ala Gly Glu Lys Ile Leu Ala Phe  
 711 50 55 60  
 714 Leu Ser Leu Arg Ala Glu Thr Val Ser Ile Ser Gly Gly Ile Ile Leu  
 715 65 70 75 80  
 718 Phe Leu Ile Ala Ile Lys Met Ile Phe Pro Ser Ala Ser Gly Asn Ser  
 719 85 90 95

## RAW SEQUENCE LISTING

DATE: 07/01/2005

PATENT APPLICATION: US/10/073,293A

TIME: 09:34:03

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\06302005\J073293A.raw

722 Ser Gly Leu Pro Ala Gly Glu Glu Pro Phe Ile Val Pro Leu Ala Ile  
723 100 105 110  
726 Pro Leu Val Ala Gly Pro Thr Ile Leu Ala Thr Leu Met Leu Leu Ser  
727 115 120 125  
730 His Gln Tyr Pro Asn Gln Met Gly His Leu Val Ile Ala Leu Leu Leu  
731 130 135 140  
734 Ala Trp Gly Gly Thr Phe Val Ile Leu Leu Gln Ser Ser Leu Phe Leu  
735 145 150 155 160  
738 Arg Leu Leu Gly Glu Lys Gly Val Asn Ala Leu Glu Arg Leu Met Gly  
739 165 170 175  
742 Leu Ile Leu Val Met Met Ala Thr Gln Met Phe Leu Asp Gly Ile Arg  
743 180 185 190  
746 Met Trp Met Lys Gly  
747 195  
E--> 753 1

Deleted

## VERIFICATION SUMMARY

DATE: 07/01/2005

PATENT APPLICATION: US/10/073,293A

TIME: 09:34:04

Input Set : N:\DA\PTO.DA.txt

Output Set: N:\CRF4\06302005\J073293A.raw

L:126 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:3,Line#:122  
L:288 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:5,Line#:284  
L:450 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:11,Line#:446  
L:632 M:258 W: Mandatory Feature missing, <223> Blank for SEQ#:15,Line#:628  
L:753 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:16

**This Page is Inserted by IFW Indexing and Scanning  
Operations and is not part of the Official Record**

**BEST AVAILABLE IMAGES**

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

- ☐ **BLACK BORDERS**
- ☐ **IMAGE CUT OFF AT TOP, BOTTOM OR SIDES**
- ☐ **FADED TEXT OR DRAWING**
- ☐ **BLURRED OR ILLEGIBLE TEXT OR DRAWING**
- ☐ **SKEWED/SLANTED IMAGES**
- ☐ **COLOR OR BLACK AND WHITE PHOTOGRAPHS**
- ☐ **GRAY SCALE DOCUMENTS**
- ☐ **LINES OR MARKS ON ORIGINAL DOCUMENT**
- ☐ **REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY**
- ☐ **OTHER:** \_\_\_\_\_

**IMAGES ARE BEST AVAILABLE COPY.**

**As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.**